

WHAT IS CLAIMED IS:

1. An accessory device for a manual motor starter, the accessory device comprising:
  - a case forming an outer appearance of the accessory device;
  - 5 a under-voltage trip coil section installed in the case and including an under-voltage trip coil generating magnetic flux depending on voltage applied thereto and a first fixed core installed adjacent to the under-voltage trip coil and magnetized by magnetic flux generated from the under-voltage trip coil, thereby generating attracting force;
  - a remotely switchable trip coil section installed in the case and including a remotely
  - 10 switchable trip coil for generating magnetic flux depending on remotely switchable electric source voltage applied thereto, a second fixed core for generating attracting force when the second fixed core is magnetized by magnetic flux generated from the remotely switchable trip coil, and a first movable core having a rod portion extending downward and movable in a downward direction when attracting force is applied thereto from the second fixed core;
  - 15 a under-voltage trip power source terminal electrically connected to the under-voltage trip coil so as to apply the voltage to the under-voltage trip coil;
  - a remotely switchable trip power source terminal electrically connected to the remotely switchable trip coil so as to apply remotely switchable electric source voltage to the remotely switchable trip coil;
  - 20 a second movable core for separating from the first fixed core in a downward direction when under-voltage is applied thereto through the under-voltage trip power source terminal and for downwardly rotating pressed by the rod portion of the first movable core when the remotely switchable electric source voltage is applied to the remotely switchable trip coil through the remotely switchable trip power source terminal; and
  - 25 a lever mechanically connected to the second movable core so as to move together with the

second movable core for tripping the manual motor starter.

2. The accessory device as claimed in claim 1, wherein the second movable core is positioned below the under-voltage trip coil section and the remotely switchable trip coil section in  
5 such a manner that the second movable core is rotated by means of one of under-voltage trip coil section and the remotely switchable trip coil section.

3. The accessory device as claimed in claim 1, wherein the remotely switchable trip coil section comprises:  
10 a bobbin for winding the remotely switchable trip coil around an outer peripheral portion thereof;

the second fixed core having a ring shape and installed in an internal space defined by an internal peripheral surface of a body of the bobbin;

the first movable core installed in the internal space of the bobbin in opposition to the  
15 second fixing core and movable from a first position contacted with the second fixed core to a second position upwardly apart from the second fixed core depending on attracting force generated from the second fixed core;

a spring installed between the second fixed core and the first movable core for elastically biasing the first movable core such that the first movable core is separated from the second fixed  
20 core,

and the rod portion downwardly extends from a lower portion of the first movable core to an outer lower portion of the bobbin by passing through the second fixed core and integrally movable together with the first moving core.